WHAT IS CLAIMED IS:

- 1. A solar cell comprising an electrode coated with lead-free solder.
- 2. The solar cell of claim 1, wherein said electrode is formed of matal paste fired.
- 3. The solar cell of claim 1, wherein any technique of metal vapor deposition, spattering, and plating is used to provide said electrode.
- 4. The solar cell of claim 1, wherein said lead-free solder is one of Sn-Bi-Ag-based solder and Sn-Ag-based solder.
- 5. The solar cell of claim 2, wherein said metal paste contains powdery silver, powdery glass, an organic vehicle, an organic solvent, phosphorous oxide, and halide.
- 6. A solar cell comprising an electrode coated with lead-free solder after said electrode is cleaned with flux including resin, a solvent, and a stabilizer for resin.
- 7. An interconnector for solar cells, comprising a metal core coated with lead-free solder.
- 8. A solar cell string comprising solar cells including electrodes interconnected with interconnectors, wherein said electrodes each are coated with lead-free solder and said interconnectors each are also coated with lead-free solder.
- 9. The solar cell string of claim 8, wherein said lead-free solder used for said solar cell and said lead-free solder used for said interconector are identical in composition.

- 10. The string of claim 9, wherein Bi is contained in at least one of said lead-free solder for said solar cell and said lead-free solder for said interconnector.
- 11. The solar cell of claim 4, wherein said lead-free solder contains 3 to 89 mass % Bi.
- 12. The string of claim 10, wherein said lead-free solder contains 3 to 89 mass % Bi.
- 13. The string of claim 8, wherein Ag is contained in at least one of said lead-free solder for said solar cell and said lead-free solder for said interconnector.
- 14. The solar cell of claim 4, wherein said lead-free solder contains 3.5 to 4.5 mass % Ag.
- 15. The string of claim 13, wherein said lead-free solder contains 3.5 to 4.5 mass % Ag.